SATA QUICKPORT PRO LAN

Manual

SATA QUICKPORT PRO LAN

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Dear customer!

Congratulations for purchasing this premium quality SHARKOON product.
For a long life time and to take full advantage of this product we recommend that you read this manual completely.

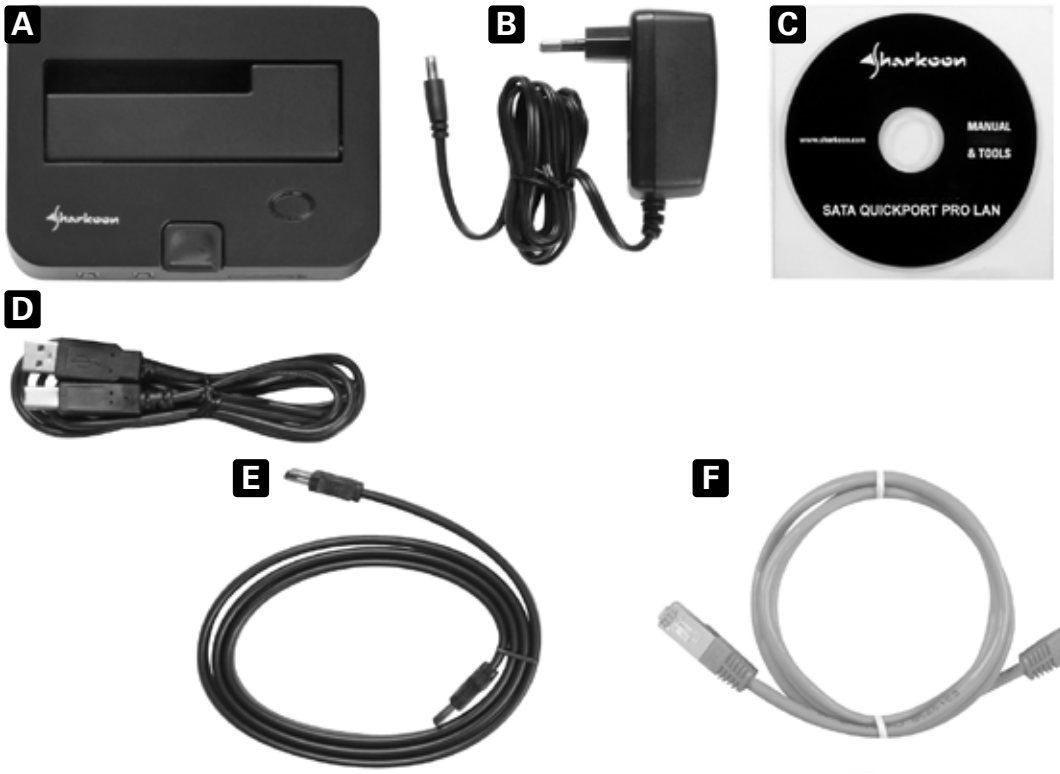
Enjoy our product!
SHARKOON Technologies GmbH

SATA QUICKPORT PRO LAN

1. Features

- Enables the direct connection of a SATA HDD to your PC
- Suitable for 2.5" and 3.5" SATA HDDs
- NDAS functionality due to a network connector and included server software
- USB front hub (2 connectors)
- Card reader (SD, SDHC, MMC/MS)
- External interfaces: USB2.0, eSATA and Gigabit Ethernet (RJ-45)
- Premium quality
- On/off button
- LEDs for power and HDD access

2. Parts and accessories



- SATA QuickPort Pro LAN (A)
- Power adaptor (B)
- Tools CD with software and manual (C)
- USB cable (D)
- eSATA cable (E)
- Patch cable (F)

Note:
If you are missing any of the items listed above, please contact our customer service immediately:
support@sharkoon.com (Germany and Europe)
support@sharkoon.com.tw (international).

3. The device at a glance

A – Drive bay for SATA HDDs (2.5" and 3.5")
B – On/off button with integrated LED for power and HDD access
C – HDD eject button
D – USB front hub
E – Card reader

A – Power connector
B – Network connector (RJ-45)
C – USB connector
D – eSATA connector
E – Reset button

4. Getting started

4.1 Hardware installation

Note:
Hard disk drive, card reader and USB front hub are accessed via USB while only the HDD may be addressed over eSATA. This means that after connecting the device to your PC over USB and eSATA the HDD will be accessed via eSATA while the card reader and the USB front hub are addressed over USB.
Using the SATA QuickPort Pro LAN in your network means that it can not be connected over eSATA or USB to a PC simultaneously.
Therefore we suggest you to decide how you intend to use the device in advance to avoid further problems.

4.1.1 Local usage

1. Connect the included USB and/or eSATA cable to the according connectors of the SATA QuickPort Pro LAN and your PC.
2. Connect the included power adapter to the SATA QuickPort Pro LAN and a wall outlet.
3. Slide a 2.5" or 3.5" SATA HDD into the HDD slot of the device.
4. Insert a compatible memory card into the card reader and connect a maximum of two USB devices with the USB front hub of the SATA QuickPort Pro LAN.
5. Switch on the device.
6. Your operating system will automatically recognize the connected devices.

4.1.2 Network usage

1. Connect the included patch cable to the network plug of the SATA QuickPort Pro LAN and an available network connector of your switch/hub/router/PC or similar.
2. Connect the included power adapter to the SATA QuickPort Pro LAN and a wall outlet.
3. Install the included software.

4.2 Software installation (Windows for example)

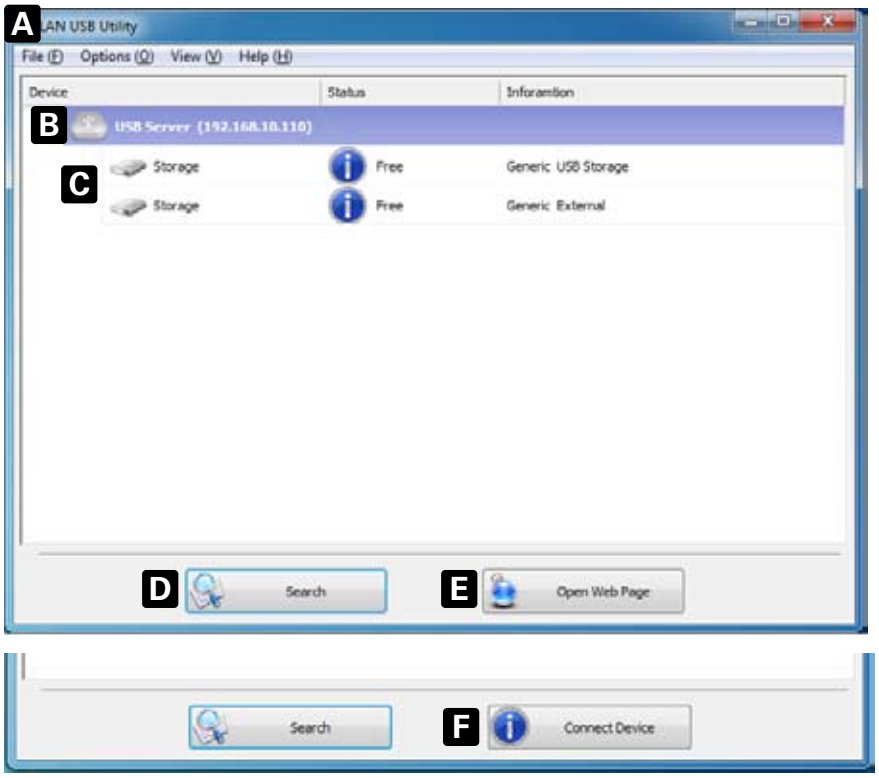
1. Insert the included Tools CD into your CD/DVD drive.
2. Use the Windows Explorer to open the directory of the inserted Tools CD.
3. Double click (left mouse button) "Setup.exe". The installation procedure will start.
   Follow the installation wizard's instructions.
4. To complete the installation you will be prompted to reboot your PC. Confirm this indication.
5. After successfully rebooting your system, the following icon will appear on your desktop:

Double-click (left mouse button) this icon to launch the software.

Note:
You need to install this server software on every PC from which you want to access the SATA QuickPort Pro LAN.

6. Slide a 2.5" or 3.5" SATA HDD into the HDD slot of the device.
7. Insert a compatible memory card into the card reader and connect a maximum of two USB devices with the USB front hob of the SATA QuickPort Pro LAN.
8. Switch on the device.

5. The user interface



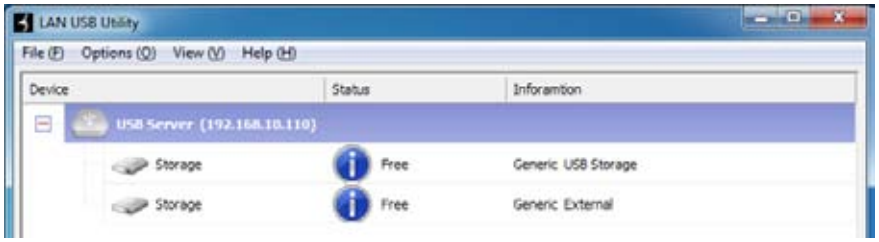
A – Menu bar showing the entries “File“, “Options“, “View“ and “Help“
B – USB server with related IP address
C – USB devices connected to the USB server
D – “Search“ button: by left-clicking a search run is commenced, to detect devices connected to the USB server
E – “Open website“ button (only displayed when the USB-Server is selected): by left-clicking the USB server’s web interface will be opened
F – “Connect device“ button (only displayed when a plugged USB device is selected): by left-clicking this button the respective USB device is connected and locked for other users

Note:
The software will detect the connected USB server and associated devices automatically. Furthermore the USB server supports automatic and manual IP address assignment; automatic address assignment via DHCP is selected by default. In case your firewall prompts you during the installation process allow the USB server to access the respective network resources.

5.1 USB server and device status

The icons inside the user interface will already show the server’s and the device’s status.

5.1.1 Device free



The device is not locked and can be connected.

5.1.2 Device locally connected

The device is connected to the local computer.

5.1.3 Device locked by other user

The device is locked by another user and therefore blocked for all other users.

5.1.4 Other segment

The server IP address is not in the same network context as the computer's IP; thus the server/the connected devices may NOT be accessed. In this case change the network settings of the server/your computer.

5.1.5 Device not supported

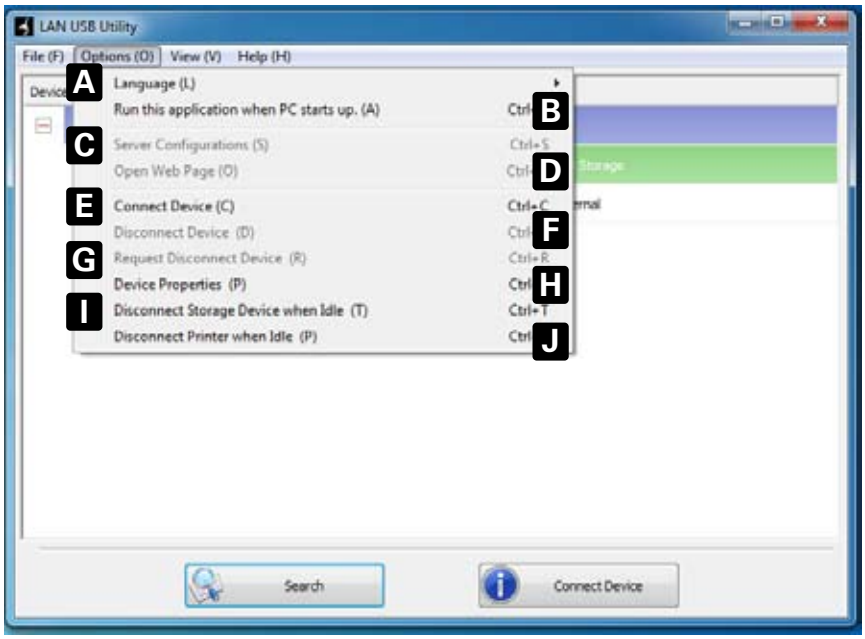
Some USB devices are not supported by the server.

5.2 The user interface's menu bar

5.2.1 File menu

A – Choose "Quit" to exit the program.

5.2.2 Options menu



A – Set the desired interface language here.
B – Decides (box checked/unchecked) if the selected device shall be automatically connected when starting the program.
C – Accesses the server configuration menu (below 5.3).
D – Retrieves the web interface for server configuration (below 6.).
E – In case a device is selected, it is mounted and locked for other users (same function as the “Connect device” button).
F – Disconnects a mounted device and unlocks it for other users (same function as the “Disconnect device” button).
G – Sends a disconnect request (below 7.) to the current user of a mounted device.
H – Opens up the active device‘s configuration dialogue (below 5.4).
I – Decides (box checked/unchecked), if an inactive memory device (e.g. HDD in sleep mode) will automatically be removed from the server.
J – Selects (box checked/unchecked), if an inactive printer will automatically be removed from the server.

5.2.3 View menu

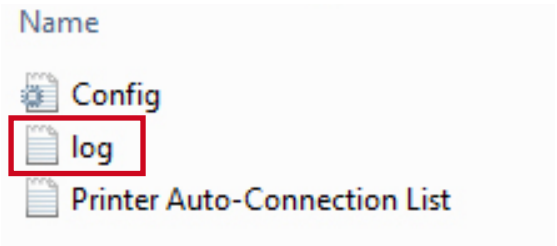
A – Decides (box checked/unchecked) if only connected devices or also the server will be displayed.

5.2.4 Help menu

A – Displays some software information:

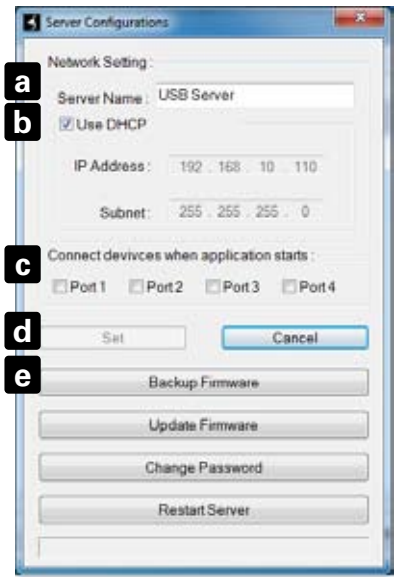
B – Defines (box checked/unchecked) if a log file will be kept.

C – Opens up the program folder where the log file is kept:



5.3 USB server context menu

A – Invokes the server's configuration window:



a – Define the USB server's name
b – DHCP on (manual IP address off) / DHCP off (manual IP address on)
c – Decide which USB port(s) shall automatically be mounted at program start
d – "Set" saves your settings "Cancel" discards them
e – The entries "Backup Firmware", "Firmware update", "Change password" and "Server restart" (see below)

B – Calls up the web interface (below 6.)

5.3.1 Backup firmware

The USB server offers the possibility to backup the firmware. The pop-up window (see below) already offers a target path for the backup file. Via "Browse" you can change this default path. "Submit" starts the backup, "Cancel" will terminate the action. In this input window (see below) you may assign a new password. This password is required to configure different settings of the USB server.

5.3.2 Firmware update

In case you have a more actual version of the USB server's firmware available you may update the current firmware version via this entry. With "Browse" you select the locally saved update version. "Submit" starts, "Cancel" terminates the update procedure. A current firmware version can be found at www.sharkoon.com.

5.3.3 Change password

In this input window (see below) you may assign a new password. This password is required to configure different settings of the USB server.

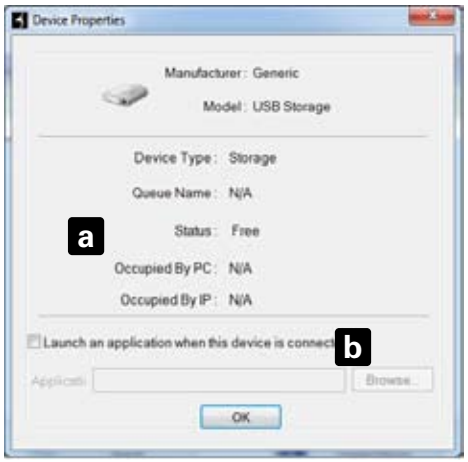
5.3.4 Restart server

Select this entry to restart the USB server. A restart may be necessary when the server does not react or other problems have occurred. You may also force a restart by pressing the reset button on the device.

5.4 Device context menu

A – The selected device is mounted and locked for other users (same function as the “Connect device” button).

B – Opens up the device’s properties window:

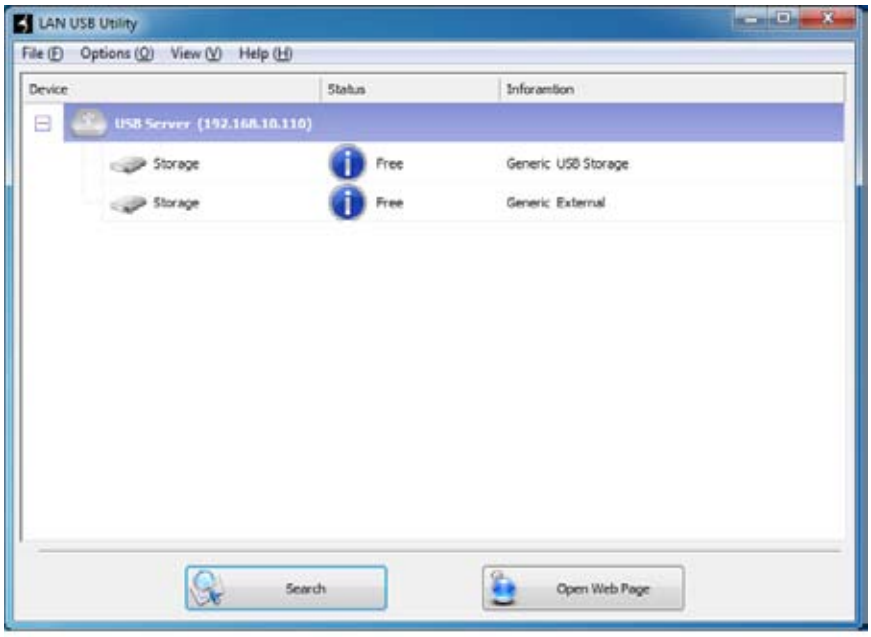


a – Various device information is displayed.
b – Select a program to be run after the respective device has been mounted.

C – Decides (box checked/unchecked) if the device is mounted automatically at program start.

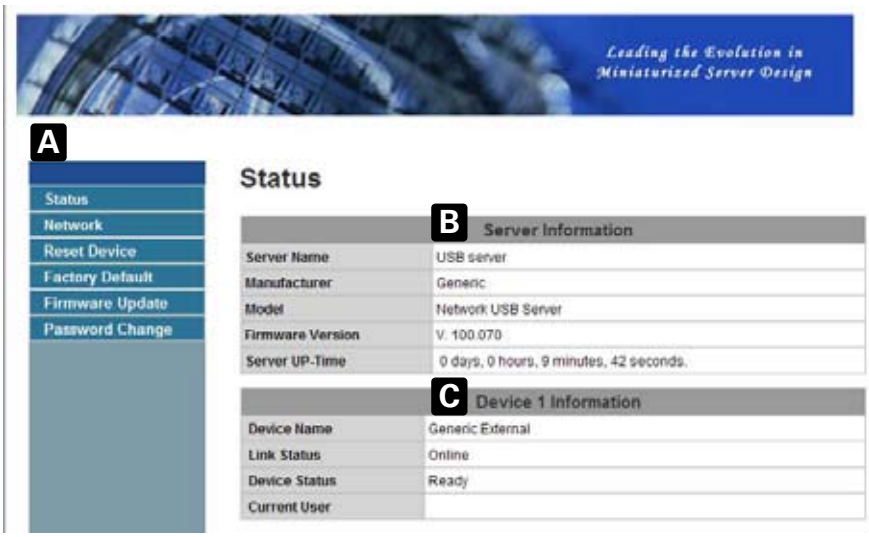
6. Configuration via web interface

From the user interface select the server entry and click the button “Open Web Page” afterwards:



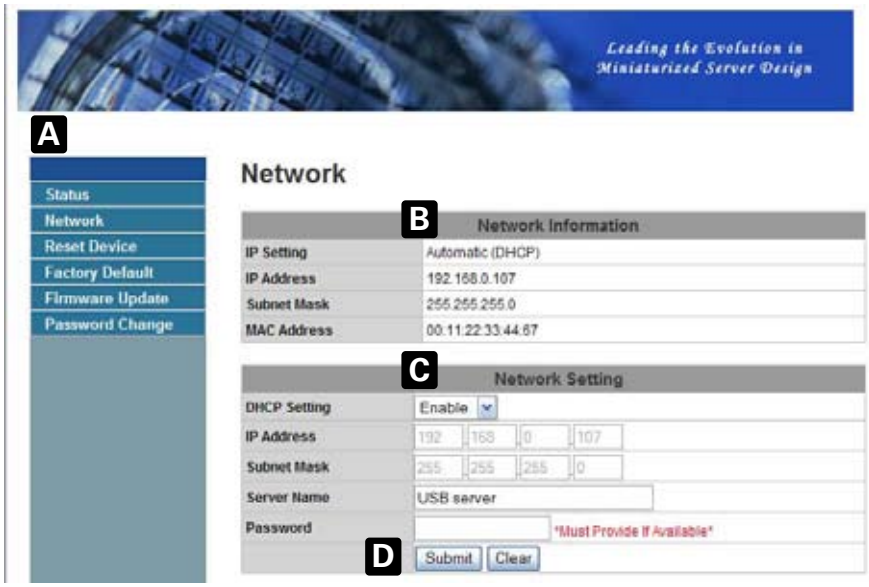
Your standard browser starts and the web interface will display the status page:

6.1 Status



A – Left-click the link to select the respective entry.
B – This area displays various USB server information:
Server Name, Manufacturer, Model, Firmware Version and Server Up-Time (time elapsed since server has been started).
C – These areas display various information regarding the connected devices:
Device Name, Link Status, Device Status and Current User.

6.2 Network



A – Left-click the link to select the respective entry.
B – This area displays the current network status: IP Setting (automatic or manual IP address assignment), IP Address (IP address assigned to the server), Subnet Mask, MAC Address (the server's MAC address).
C – This area allows configuring the network settings.
With "DHCP Setting" you define whether the network address shall be assigned automatically (Enable) or manually (Disable). The respective manual settings you enter into the areas "IP Address" and "Subnet Mask".
With "Server Name" you may define your own server name.
To protect the server settings from unwanted changes you need to assign a "Password".
D – "Submit" saves your changes while "Clear" will discard them.

6.3 Reset device

A – Left-click the link to select the respective entry.
B – Perform a reset after entering the assigned password into the "Password" area and confirm by clicking the "Submit" button, "Clear" will discard your entry.

6.4 Factory default

A – Left-click the link to select the respective entry.
B – To recover the factory default settings enter the password into the “Password” area and confirm by left-clicking the “Submit” button, “Clear” will discard your entry.

6.5 Firmware update

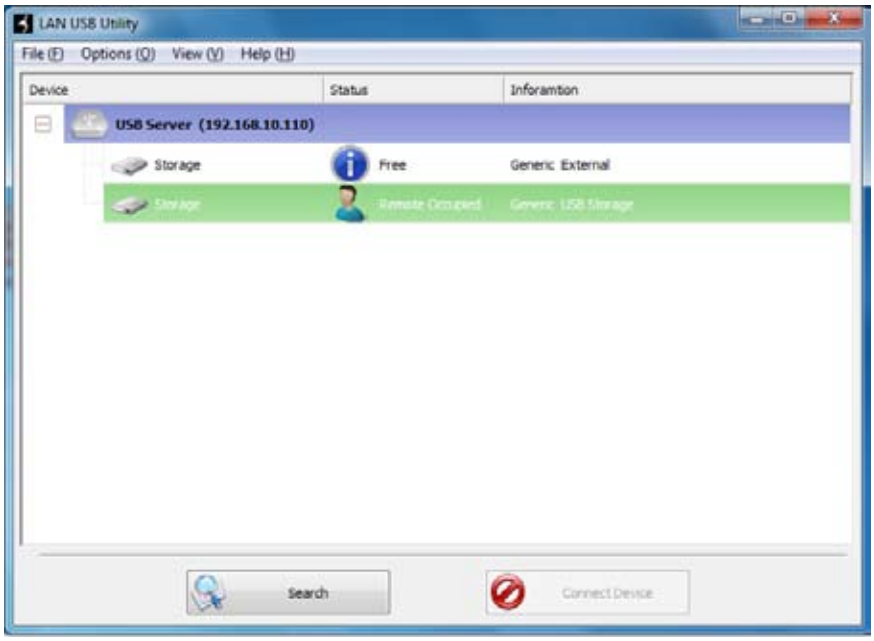
A – Left-click the link to select the respective entry.
B – To perform a firmware update, download the respective software from our website and save it locally. Then enter the according password (see above) into the “Password” area and select the source path of the local update file with “Search”.
C – “Submit” will confirm and start the update procedure. “Clear” cancels the action.

6.6 Password change

A – Left-click the link to select the respective entry.
B – To change the current password enter it into the “Current Password” area, then enter the newly assigned password into the “New Password” area. Confirm the new pass word by re-typing it into the “Confirm New Password” area. Left-clicking “Submit” will complete this procedure, “Clear” will abort.

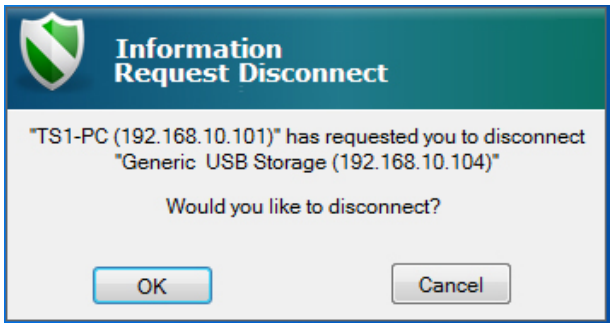
7. Disconnect request

A device being connected to the USB server and mounted by a single user is contemporaneously locked for all other users. The icon “Remote Occupied” indicates that the connected device currently is not available; the button “Connect Device” is disabled.

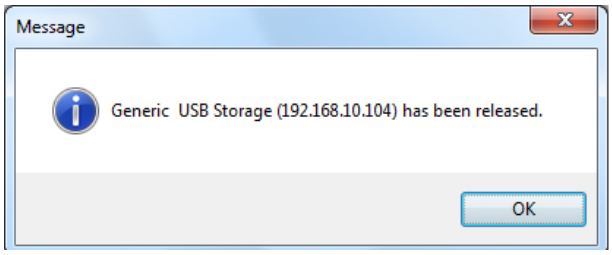


Now via the device’s context menu a disconnect request can be sent to the current user:

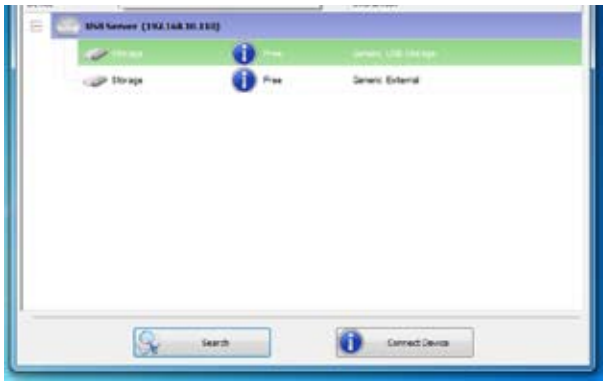
The current user will be prompted to dismount the device:



He now decides whether he agrees “OK” or not “Cancel”:



As soon as the device is unlocked the requester will receive the following info and now can mount the device by clicking the “Connect device” button.



8. Important notes

1. You need to install the server software on every PC, from which you want to access the SATA QuickPort Pro LAN.

2. Your operating system will treat the connected USB device as if it is directly connected to the PC. This means that potential drivers (e.g. printer drivers) need to be installed on the system (for further details refer to the manuals of the according devices).

3. As the devices will be handled like directly attached hardware, we suggest to remove memory devices (HDDs, USB sticks etc.) using the “Safely remove hardware” function before terminating the connection via “Disconnect”.
   The server software will also prompt you with the following note:

Warning!
Attention!
You are about to disconnect an external USB storage device from your PC.
Please make sure you have already used the Safe Remove function in the System Tray
at the lower right hand corner of your Desktop to stop using this device.
Otherwise you might experience data loss in the USB storage device.
OK
Abbrechen

   Other USB devices such as printers, scanners etc. do not require this step and can directly be disconnected.

4. The USB to IP translation may cause a decrease in transfer speed compared to the native operation of the USB devices and is caused by technical means.

9. Examples of use

9.1 Local use

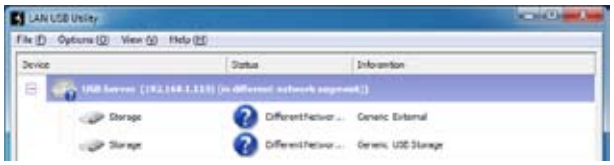
User A only wants to operate the SATA QuickPort Pro LAN at his local computer.
Thus he connects the included USB and/or the delivered eSATA cable to the respective connectors at his computer.
Into the HDD docking bay he inserts a SATA HDD, to the USB front connectors he plugs a USB stick and into the card reader he inserts a SD card.
User A switches on the SATA QuickPort Pro LAN. Afterwards the HDD is addressed over eSATA and installed on the local computer with OS drivers. USB stick and SD card are accessed via USB and also installed.
After successful installation all three memory devices are available from the local computer, no additional software needs to be installed.
Alternatively user A can also connect the SATA QuickPort Pro LAN solely over USB. In this case all three connected devices will be available.
Please note: When connecting the device only via eSATA only the HDD will be available!

9.2 Network use (single user, IP address manually assigned)

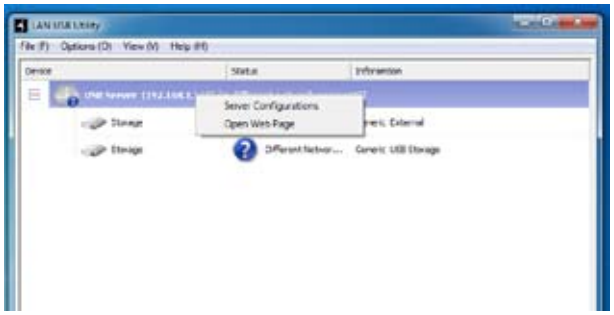
User A wants to integrate the SATA QuickPort Pro LAN into his local network and connects the docking station to his router using the included patch cable.
He plugs a SATA HDD and a USB stick to the SATA QuickPort Pro LAN; his IP addresses were configured manually; a DHCP server is not activated.
Router: 192.168.10.1
Computer: 192.168.10.2

User A installed the included software on his computer and starts it by double-clicking (left mouse button) on the desktop icon:

The server software's user interface will display the USB server:



The software has detected the USB server and assigned it a standard IP address, but this address is from another address range (error message: "in different network segment").
The device may not be accessed yet; first the server must be assigned an IP address from the local network's address range.
Right-clicking the USB server's entry inside the user interface brings up the server's context menu:



"Server Configurations" invokes the following input window:

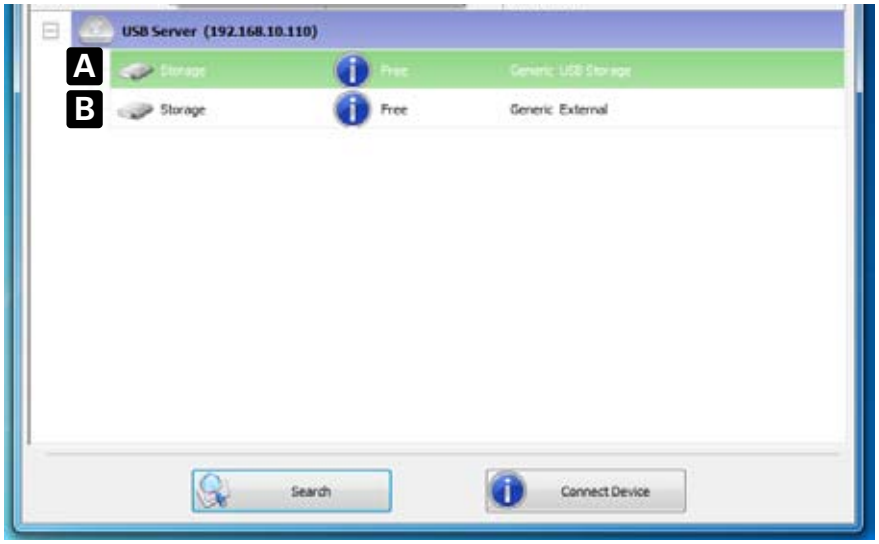
User A unchecks "Use DHCP" (this function is activated by default), afterwards the input fields "IP address" and "Subnet" can be filled in.
The USB server is assigned the IP address 192.168.10.101 in the subnet 255.255.255.0.
To save the settings User A needs to left-click the button "Set" once and perform a server restart.
After that the SATA QuickPort Pro LAN is available in the local network and user A may access the connected memory devices.

9.3 Network use (multiple users, address by DHCP)

User A wants to integrate the SATA QuickPort Pro LAN into his local network and connects the docking station to his router using the included patch cable. He plugs a SATA HDD to the SATA QuickPort Pro LAN; IP addresses are assigned by a DHCP server.
User A already has installed the server software delivered with the SATA QuickPort Pro LAN on all his computers in the local network (living room, office, children's room).

From his office computer user A now wants to access the hard disk drive plugged into the SATA QuickPort Pro LAN: to this he commences the server software by double clicking (left mouse button) the desktop icon.

The server software's user interface will then display the USB server and all devices currently connected to it:



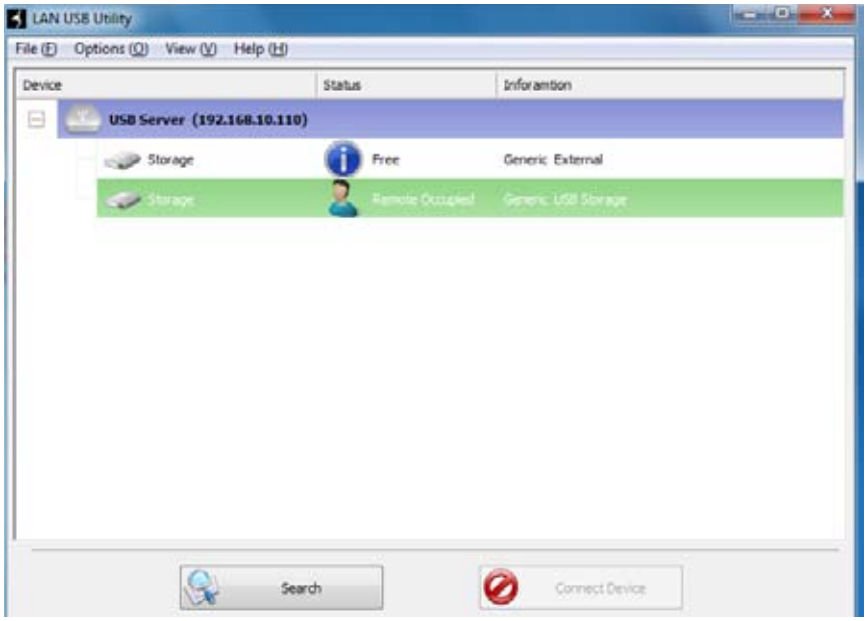
A – Card reader
B – SATA HDD inside the HDD docking station

The blue "device available" icon indicates that the respective device may be mounted. For this A selects the device (1x left click) and then left-clicks the button "connect device".
The operating system will install all required drivers whereupon the device will be displayed in the Windows Explorer. The icon in the user interface will change and now indicate that the HDD has been locally connected:

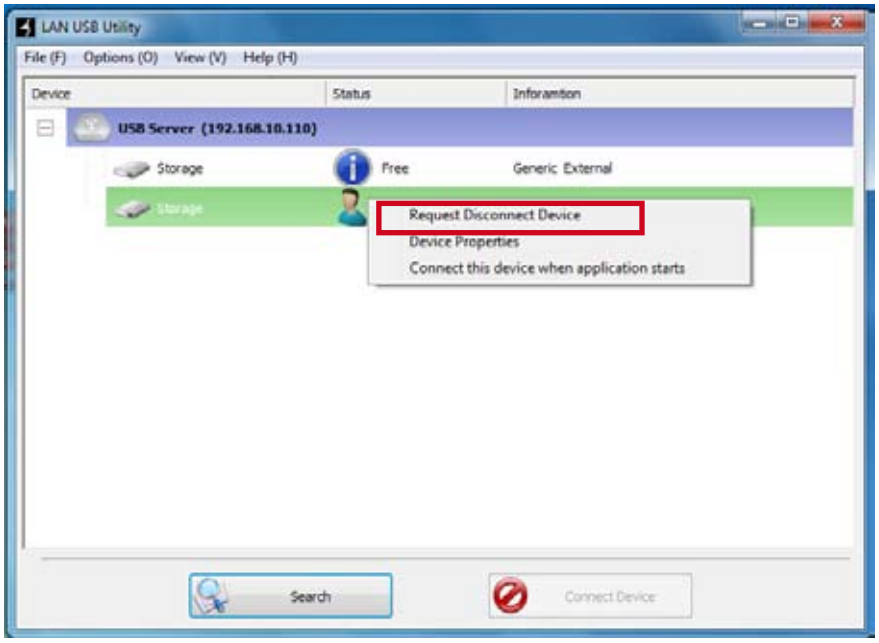
A now can use the HDD as if it was directly connected to his computer.

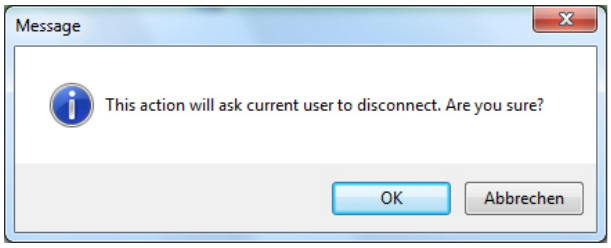
User B wants to access the HDD connected to the SATA QuickPort Pro LAN from the living room. Therefore he runs the already installed server software.

The user interface will display the server with all connected devices: the icon “remote connection” indicates that the HDD currently is not available; the button “connect device” is disabled.

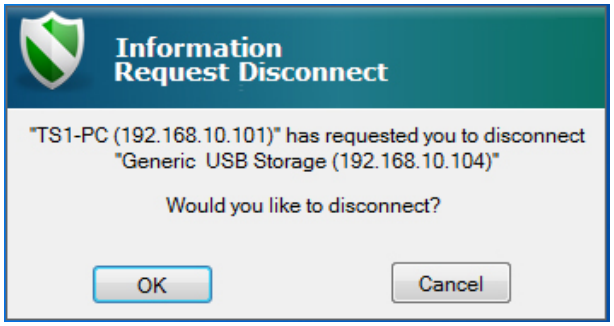


B now can send a disconnect request to the current user A:

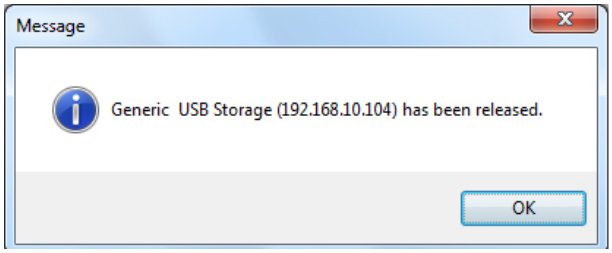


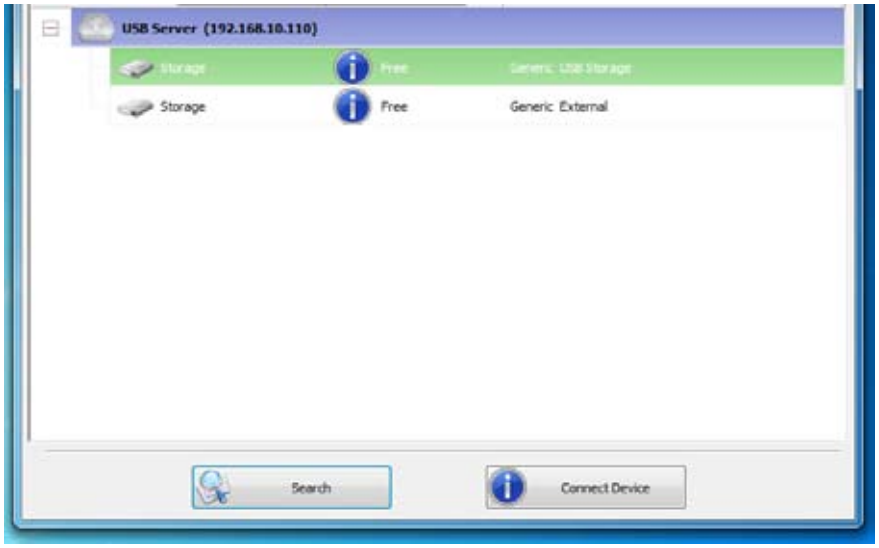


User A will receive the following request and can now decide whether he agrees to disconnect the device “OK” or not “Cancel”:



As soon as A has disconnected the device, B will receive the following info and now can access the device via “Connect” by himself.





When B does no longer need the device he can dismount it by clicking the “Disconnect button” and thereby unlock the device for further usage.

SATA QUICKPORT PRO LAN

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Disposal of your old product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
Please be informed about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences to the environment and human health.

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